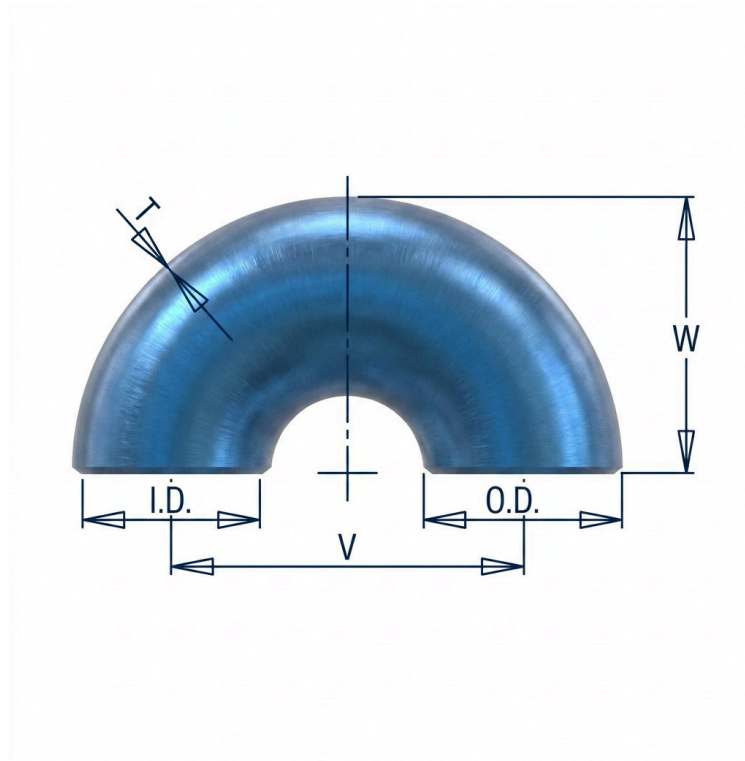


180° Short Radius Return Bends

Butt-Weld Fittings · ASME B16.9 · All Material Grades



AVAILABLE SCHEDULES

STD

XS

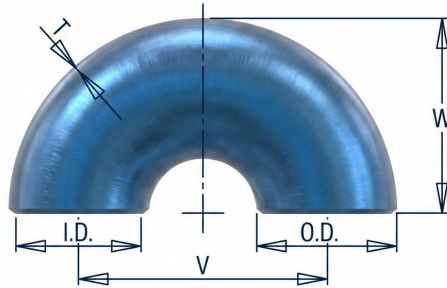
40

80

160

XXS

180° Short Radius Return Bend — Schedule STD



SHORT RADIUS — SCHEDULE STD

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Pounds
	O.D.	I.D.	T	V	W		Lbs.
1	1.32	1.049	0.133	2.00	1.62	40	0.50
1¼	1.66	1.380	0.140	2.50	2.06	40	0.80
1½	1.90	1.610	0.145	3.00	2.44	40	1.10
2	2.38	2.067	0.154	4.00	3.19	40	1.90
2½	2.88	2.469	0.203	5.00	3.94	40	4.00
3	3.50	3.068	0.216	6.00	4.75	40	6.00
3½	4.00	3.548	0.226	7.00	5.50	40	8.70
4	4.50	4.026	0.237	8.00	6.25	40	12.20
5	5.56	5.047	0.258	10.00	7.75	40	19.20
6	6.62	6.065	0.280	12.00	9.31	40	32.90
8	8.62	7.981	0.322	16.00	12.31	40	64.90
10	10.75	10.020	0.365	20.00	15.38	40	112.00
12	12.75	12.000	0.375	24.00	18.38	*	157.00
14	14.00	13.250	0.375	28.00	21.00	30	208.00
16	16.00	15.250	0.375	32.00	24.00	30	257.00
18	18.00	17.250	0.375	36.00	27.00	*	325.00
20	20.00	19.250	0.375	40.00	30.00	20	416.00
24	24.00	23.250	0.375	48.00	36.00	20	592.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

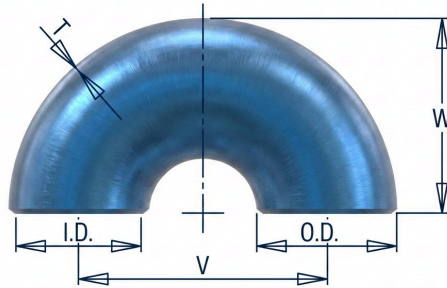
(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.

180° Short Radius Return Bend — Schedule XS



SHORT RADIUS — SCHEDULE XS

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Pounds
	O.D.	I.D.	T	V	W		Lbs.
1	1.32	0.962	0.179	2.00	1.62	80	0.70
1¼	1.66	1.278	0.191	2.50	2.06	80	1.00
1½	1.90	1.500	0.200	3.00	2.44	80	1.50
2	2.38	1.939	0.218	4.00	3.19	80	2.90
2½	2.88	2.323	0.276	5.00	3.94	80	5.20
3	3.50	2.900	0.300	6.00	4.75	80	8.20
3½	4.00	3.364	0.318	7.00	5.50	80	11.70
4	4.50	3.826	0.337	8.00	6.25	80	16.40
5	5.56	4.813	0.375	10.00	7.75	80	27.70
6	6.62	5.761	0.432	12.00	9.31	80	45.70
8	8.62	7.625	0.500	16.00	12.31	80	96.30
10	10.75	9.750	0.500	20.00	15.38	60	143.00
12	12.75	11.750	0.500	24.00	18.38	*	212.00
14	14.00	13.000	0.500	28.00	21.00	*	271.00
16	16.00	15.000	0.500	32.00	24.00	40	339.00
18	18.00	17.000	0.500	36.00	27.00	*	425.00
20	20.00	19.000	0.500	40.00	30.00	30	555.00
24	24.00	23.000	0.500	48.00	36.00	*	778.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

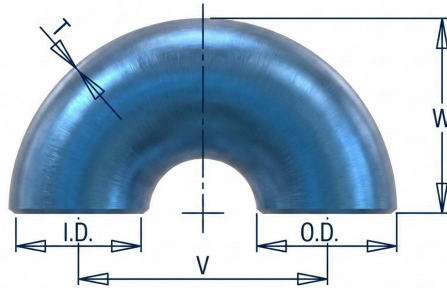
(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.

180° Short Radius Return Bend — Schedule 40



SHORT RADIUS — SCHEDULE 40

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Pounds
	O.D.	I.D.	T	V	W		Lbs.
1	1.32	1.054	0.133	2.00	1.62	40	0.50
1¼	1.66	1.380	0.140	2.50	2.06	40	0.80
1½	1.90	1.610	0.145	3.00	2.44	40	1.10
2	2.38	2.072	0.154	4.00	3.19	40	1.90
2½	2.88	2.474	0.203	5.00	3.94	40	4.00
3	3.50	3.068	0.216	6.00	4.75	40	6.00
3½	4.00	3.548	0.226	7.00	5.50	40	8.70
4	4.50	4.026	0.237	8.00	6.25	40	12.20
5	5.56	5.044	0.258	10.00	7.75	40	19.20
6	6.62	6.060	0.280	12.00	9.31	40	32.90
8	8.62	7.976	0.322	16.00	12.31	40	64.90
10	10.75	10.020	0.365	20.00	15.38	40	112.00
12	12.75	11.938	0.406	24.00	18.38	40	165.00
14	14.00	13.124	0.438	28.00	21.00	40	215.00
16	16.00	15.000	0.500	32.00	24.00	40	265.00
18	18.00	16.876	0.562	36.00	27.00	40	335.00
20	20.00	18.812	0.594	40.00	30.00	40	425.00
24	24.00	22.624	0.688	48.00	36.00	40	605.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

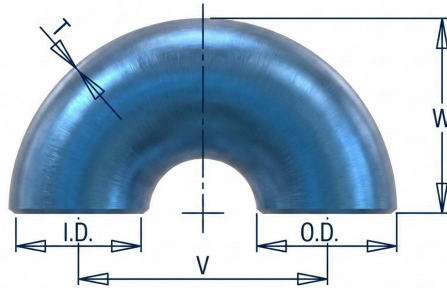
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

180° Short Radius Return Bend — Schedule 80



SHORT RADIUS — SCHEDULE 80

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Pounds
	O.D.	I.D.	T	V	W		Lbs.
1	1.32	0.962	0.179	2.00	1.62	80	0.70
1¼	1.66	1.278	0.191	2.50	2.06	80	1.00
1½	1.90	1.500	0.200	3.00	2.44	80	1.50
2	2.38	1.944	0.218	4.00	3.19	80	2.90
2½	2.88	2.328	0.276	5.00	3.94	80	5.20
3	3.50	2.900	0.300	6.00	4.75	80	8.20
3½	4.00	3.364	0.318	7.00	5.50	80	11.70
4	4.50	3.826	0.337	8.00	6.25	80	16.40
5	5.56	4.810	0.375	10.00	7.75	80	27.70
6	6.62	5.756	0.432	12.00	9.31	80	45.70
8	8.62	7.620	0.500	16.00	12.31	80	96.30
10	10.75	9.562	0.594	20.00	15.38	80	160.00
12	12.75	11.374	0.688	24.00	18.38	80	225.00
14	14.00	12.500	0.750	28.00	21.00	80	280.00
16	16.00	14.312	0.844	32.00	24.00	80	350.00
18	18.00	16.124	0.938	36.00	27.00	80	435.00
20	20.00	17.938	1.031	40.00	30.00	80	570.00
24	24.00	21.562	1.219	48.00	36.00	80	790.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

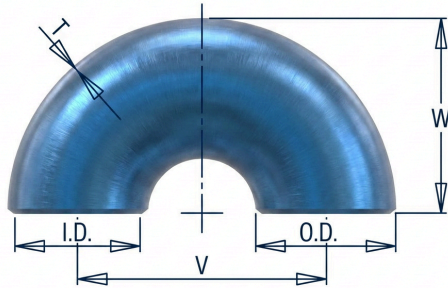
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.



180° Short Radius Return Bend — Schedule 160



SHORT RADIUS — SCHEDULE 160

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Pounds
	O.D.	I.D.	T	V	W		Lbs.
1	1.32	0.820	0.250	2.00	1.62	160	0.85
1¼	1.66	1.160	0.250	2.50	2.06	160	1.21
1½	1.90	1.338	0.281	3.00	2.44	160	1.82
2	2.38	1.692	0.344	4.00	3.19	160	3.51
2½	2.88	2.130	0.375	5.00	3.94	160	6.29
3	3.50	2.624	0.438	6.00	4.75	160	9.92
4	4.50	3.438	0.531	8.00	6.25	160	19.84
5	5.56	4.310	0.625	10.00	7.75	160	33.52
6	6.62	5.182	0.719	12.00	9.31	160	55.30
8	8.62	6.808	0.906	16.00	12.31	160	116.52
10	10.75	8.500	1.125	20.00	15.38	160	173.03
12	12.75	10.126	1.312	24.00	18.38	160	256.52
14	14.00	11.188	1.406	28.00	21.00	160	327.91
16	16.00	12.812	1.594	32.00	24.00	160	410.19
18	18.00	14.438	1.781	36.00	27.00	160	514.25
20	20.00	16.062	1.969	40.00	30.00	160	671.55
24	24.00	19.312	2.344	48.00	36.00	160	941.38

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

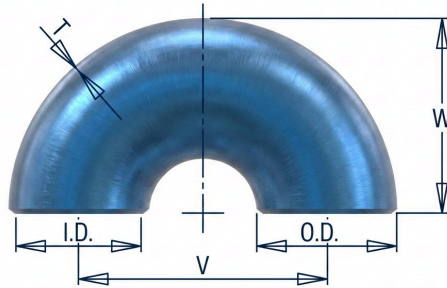
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.



180° Short Radius Return Bend — Schedule XXS



SHORT RADIUS — SCHEDULE XXS

Nom. Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Pounds
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>V</i>	<i>W</i>		<i>Lbs.</i>
1	1.32	0.604	0.358	2.00	1.62	*	0.93
1¼	1.66	0.896	0.382	2.50	2.06	*	1.33
1½	1.90	1.100	0.400	3.00	2.44	*	2.00
2	2.38	1.508	0.436	4.00	3.19	*	3.90
2½	2.88	1.776	0.552	5.00	3.94	*	6.92
3	3.50	2.300	0.600	6.00	4.75	*	10.91
4	4.50	3.152	0.674	8.00	6.25	*	21.83
5	5.56	4.060	0.750	10.00	7.75	*	36.87
6	6.62	4.892	0.864	12.00	9.31	*	60.83
8	8.62	6.870	0.875	16.00	12.31	*	128.18
10	10.75	8.750	1.000	20.00	15.38	140	190.33
12	12.75	10.750	1.000	24.00	18.38	120	282.17

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

* This size and wall thickness are not associated with a standard pipe schedule.